

8. Sanitary facilities for the personnel are provided in the Town Highway Garage located within one-quarter of a mile from the entrance gate.
9. The dumping areas are contained within reasonable limits so that the working face is kept to a minimum.

The following items appear to conflict with State standards:

1. The existing contours of the completed areas of the landfill site are very irregular. This causes rain water to be trapped on the surface and eventually percolate through the refuse causing a continuous pollution of the ground water in the area.
2. Drainage of surface water from the perimeter of the site has been impaired. Refuse has been land-filled in a manner which has blocked the normal outlet of water from the Thruway to Ley Creek. This trapped water lying mainly along the Thruway has become contaminated due to the refuse.
3. Refuse has been landfilled over and under existing utilities within the site. These utilities consist of underground sanitary sewers and gas mains and overhead power lines.
4. Previous methods of compaction and covering of the landfill have provided refuse cell depths greatly exceeding the normal requirements. Additionally, two feet of final cover material has not been provided throughout the site.
5. The roadways within the site have an insufficient amount of gravel to keep them passable to vehicular traffic during all seasons of the year. During wet weather, small vehicles find it difficult to move throughout the site and mud is being deposited along Route 11 in the vicinity of the entrance road.
6. Fencing has not been provided to minimize the blowing of refuse to adjacent areas.
7. Record keeping is not in sufficient detail to facilitate future planning by the Town.

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(Part 6a) Pg 2 of 25
ONONDAGA COUNTY, NY

Date - 9/18/

NAME OF COLLECTOR	COMP.	SIZE OF TRUCK CU. YDS	% FULL	ORIGIN	TYPE OF WASTE	REMARKS
	OPEN					
Leaseway	Comp.	40	Full	G. M. C. Lyncourt	Plastic	Wood
P. Drescher	Open	30	Full	Liverpool	Paper	Cardboard
Will & Baumer	Open	30	Full	Liverpool	Paper	Candle Comp.
Creno, Chuck	Open	30	1/2	Liverpool	Paper	Grocery Sto.
Personal	Open	1/2	1/4	Mattydale	Garbage	Pick-Up Tr.
Personal	Open	3/4	Full	Mattydale	Refuse	Pick-Up Truc
Personal	Open	1/2	1/4	Mattydale	Pipes & Paper	Pick-Up Tru
Kelley	Comp.	25	Full	Liverpool	Garbage	
Town of Salina	Open	8	Full	Lyncourt	Trees & Brush	Highway Dept
Roth Steel	Open	15	1/2	Mattydale	Garbage	Dumpster, Bo
Leaseway	Comp.	40	Full	Lyncourt	Plastic	Cardboard, G
National Platino	Open	30	1/4	Mattydale	Paper & Cardboard	
A & T Haulers	Comp.	42	Full	G.E., Liverpool	Cardboard	Wood
Weaver	Comp.	20	Full	Mattydale	Garbage	
A & T Haulers	Comp.	42	Full	Liverpool	Wax&Paper	Glass
James Ryan	Open	14	1/2	Mattydale	Wood & Plastic	
Roth Steel	Open	15	1/2	Lyncourt	Paper	Dumpster, Bo
Salt City Subl.	Open	16	Full	Lyncourt	Wood & Paper	Tin
Chuck Radiators	Open	3-1/2	Full	Mattydale	Cardboard	
Roth Steel	Open	18	Full	Liverpool	Paper-Cardboard	
Tousley	Comp.	20	Full	Mattydale	Garbage	
Monarch Liq Co.	Open	18	Full	Liverpool	Cardboard	Paper
Town of Salina	Open	8	Full	Lyncourt	Trees	Highway Dept
Personal	Open	2-1/2	Full	Mattydale	Stone & Brick	
Kline Windows	Open	2-1/2	1/4	Lyncourt	Wood&Tin	
Personal	Open	14	Full	Mattydale	Wood	
Personal	Open	2-1/2	1/4	Mattydale	Tarpaper & Wood	
Personal	Open	1-1/2	1/4	Mattydale	Papers	
Roth Steel	Open	18	Full	Liverpool	Wood	Dumpster, Bo
Unknown	Open	12	1/2	Mattydale	Roofing Paper	
Lichtmans Liq	Open	12	1/2	Liverpool	Cardboard & Paper	
Personal	Open	2-1/2	Full	Mattydale	Dirt&Bags	Steel
Personal	Open	16	Full	Mattydale	Paper & Cardboard	
Weimer Co.	Open	4	Full	Mattydale	Wood & Tin	
Central Carbon	Open	4	Full	Lyncourt	Cardboard & Paper	
Roth Steel	Open	18	1/2	Liverpool	Paper & Cardboard	G.E.
Kelley	Comp.	25	Full	Liverpool	Garbage	

Date - 9/18

NAME OF COLLECTOR	COMP.	SIZE OF TRUCK CU. YDS	% FULL	ORIGIN	TYPE OF WASTE	REMARKS
	OPEN					
Personal	Open	1	Full	Mattydale	Garbage	
A & T	Comp.	15	Full	C.H.	Foundry	
Raite	Comp.	18	Full	Liverpool	Garbage	
Rubbish Removal	Comp.	18	Full	Unknown	Garbage	
Roth Steel	Open	15	Full	Liverpool	Paper & Cardboard	Dumpster Box
Kelley	Comp.	40	1/2	Liverpool	Garbage	
Heisler	Open	16	Full	Mattydale	Cardboard Plastic	
Personal	Open	12	1/4	Mattydale	Paper Cardboard	
Seneca Knolls	Comp.	18	1/4	Mattydale	Cardboard Paper	
Car & Trailer	Open	2	1/4	Mattydale	Cardboard & Trash	
A & T	Open	15	Full	C.H.	Cardboard & Paper	
Kelley	Comp.	25	3/4	Liverpool	Garbage	
Town of Salina	Open	8	Full	Lyncourt	Trees & Logs	Highway Dept
Leaseway	Comp.	30	1/2	Lyncourt Mattydale	Plastic Paper & Cdb.	G.M.C.
A & T	Open	15	Full	C.H.	Foundry	
Roth Steel	Dumpster box	15	Full	Lyncourt	Paper-Wood	G.E.
Service Liquor	Open	10	1/2	Liverpool	Cardboard & Paper	
Town of Salina	Open	8	Full	Lyncourt	Trees & Logs	
Kelley	Comp.	25	Full	Liverpool	Garbage	
A & T	Open	15	Full	C.H.	Foundry	
Kelley	Comp.	25	3/4	Liverpool	Garbage	
Roth Steel	Open	18	1/2	Liverpool	Paper	G.E.
Roth Steel	Dumpster Box	15	Full	Liverpool	Wood & Paper	
Personal Car	Open	1	Full	Mattydale	Garbage	
Tripoli	Comp.	20	Full	Liverpool Mattydale	Paper & Cardboard	
Creno, Chuck	Open	30	3/4	Lvncourt	Paper Cardboard	
Personal	Open	2	Full	Liverpool	Wood & Paper	
Rubbish Removal	Comp.	30	Full	Liverpool	Wood and Cardboard	
A & T	Open	15	Full	C.H.		
Town of Salina	Open	8	Full	Lvncourt	Trees & Logs	Highway
Mannino	Comp.	16	Full	Lyncourt Liverpool	Paper and Cardboard	
Roth Steel	Open	15	Full	Mattydale	Foundry	Dumpster Box
Personal	Open	2	1/2	Mattydale	Paint Can	
Ace	Open	15	Full	Liverpool	Paper and Cardboard	Dumpster Box
Personal	Open	2	Full	Liverpool	Wood & Iron	
A & T recycled paper	Open	15	Full	C.H.	Foundry and environment	
...	Comp.	25	Full			

Date - 9/

NAME OF COLLECTOR	COMP. OPEN	SIZE OF TRUCK CU. YDS	% FULL	ORIGIN	TYPE OF WASTE	REMS
Ace	Comp.	60	Full	Liverpool N. Llcht	Garbage & Papers	
Personal	Open	2	1/2	Liverpool	Wood&Paper	
Kelley	Comp.	25	Full	Liverpool	Garbage	
Heisler	Open	16	1/2	Mattydale	Cardboard	
Creno, Frank	Open	25	3/4	Liverpool	Cardboard	
Kelley's	Comp.	25	Full	Liverpool	Garbage	
Weaver	Comp.	25	Full	Mattydale	Garbage	
Rubbish Removal	Open	35	Full	Liverpool	Tin & Iron	G.E.
Tripoli	Comp.	18	1/2	Liverpool Mattydale	Paper - Garbage	
Ace	Open	15	Full	Liverpool	Paper - Cardboard	
Spoto	Comp.	18	1/2	Mattydale	Garbage	
Town of Salina	Open	8	Full	Lyncourt	Trees&Logs	
A & T	Open	15	Full	C.H.	Foundry	
Rubbish Removal	Comp.	30	Full		Foundry	
A & T	Comp.	42	Full	C.H.	Paper	
A & T	Comp.	42	Full	Liverpool	Cardboard	
G.E. Trk	Open	6	Full	Liverpool	Dirt-Stone	G.E.
Kelley	Comp.	22	Full	Liverpool	Garbage	
Town of Salina	Open	8	Full	Lyncourt	Logs-Trees	
Car & Trailer	Open	2	Full	Lyncourt	Roofing Paper	
Roth Steel	Open	10	Full	Liverpool	Garbage	Dumpster B
Kelley	Comp.	25	Full	Liverpool	Garbage	
Golas	Open	10	Full	Mattydale	Paper - Cardboard	
A & T	Comp.	42	Full	Liverpool	Cardboard	
Leaseway	Comp.	42	Full	Lyncourt	Paper Cardboard	G.M.C.
Creno, Chuck	Open	30	Full	Lyncourt	Cardboard Paper	
A & T	Open	15	Full	C.H.	Foundry	
G.E., Trk	Open	8	Full	Liverpool	Paper Cardboard	
Pascarella	Open	2-1/2	Full	Liverpool	Cardboard Paper	
Personal	Open	2	Full	Liverpool	Wood-Paper	
Personal	Open	2	Full	Mattydale	Wood-Paper	
Personal	Open	1	Full	Mattydale	Cardboard	
Town of Salina	Open	7	Full	Lyncourt	Logs-Brush	
N.Y. State	Open	3	Full	Mattydale	Brush	
Creno, Chuck	Open	25	3/4	Liverpool	Paper - Cardboard	
Raite	Comp.	25	Full	Liverpool	Garbage	
Leaseway	Comp.	40	Full	Lyncourt	Cardboard	A-II

Date - 9/1

NAME OF COLLECTOR	COMP.	SIZE OF TRUCK CU. YDS	% FULL	ORIGIN	TYPE OF WASTE	REMA
	OPEN					
Robert - Law	Open	12	Full	Liverpool	Dirt-Trees	Vine St.,
Town of Salina	Open	8	Full	Lyncourt	Trees-Brush	
Raite	Comp.	20	Full	Liverpool	Garbage	
Town of Salina	Open	8	Full	Mattydale	Wood&Iron	
Town of Salina	Open	8	Full	Mattydale	Wood&Iron	
Kelley	Comp.	25	Full	Liverpool	Garbage	
Kelley	Comp.	25	Full	Liverpool	Garbage	
Kelley	Comp.	25	Full	Liverpool	Garbage	
Leasewav	Comp.	40	Full	Lyncourt	Cardboard Wood	G.M.C.
Will & Baumer	Open	30	Full	Liverpool	Paper-Wood	Candle Comp
A & T	Open	15	Full	C.H.	Foundry	C.H.
A & T	Comp.	42	Full	Liverpool	Cardboard Paper-Wood	G.E.
Personal	Open	1	Full	PitcherHill	Paper-Cardboard	
Town of Salina	Open	8	Full		Trees-Brush Debris	
Roth Steel	Open	30	Full	G.E. Liverpool	Paper-Wood Cardboard	Metal-Iron
National Plating	Open	15	1/4	Mattydale	Paper Cardboard	
Personal	Open	1	Full	Mattydale	Garbage	
A & T	Open	15	Full	C.H.	Foundry	C.H.
Lichtman	Open	15	1/2	Liverpool	Paper - Cardboard	M. Lichtman
Onon. Heating	Open	2	Full	Mattydale	Tin-Wood Paper	Onon. Heatir
Salt City Sup.	Open	15	Full	Lyncourt	Wood-Paper	
Cinter-City	Open	15	1/2	C.H.	Tar-Paper-Wood	
Kelley	Comp.	30	Full		Garbage	
Tousley	Comp.	20	Full	Liverpool	Garbage	Liverpool Vi
Roth Steel	Open	30	Full	G.E. Liverpool	Wood	G.E.
Town of Salina	Open	8	full	Lyncourt	Trees-Wood	Lyncourt
Roth Steel	Open	15	1/2	Lyncourt	Cardboard Paper	Dumpster Box
Tousley	Comp.	25	Full	Liverpool	Garbage	Liverpool Vi
Robert - Law	Open	12	Full	Liverpool	Trees-Concrete	Vine Street
A & T	Open	15	Full		Cardboard Paper	C.H.
Robert-Law	Open	12	Full	Liverpool	Dirt-Trees	Vine Street
Robert-Law	Open	12	Full	Liverpool	Dirt-Trees	Vine Street
Seneca Knolls	Comp.	18	Full	Mattydale	Garbage	
Tripoli	Comp.	18	Full	Mattydale	Garbage, Paper, Cardboard	
A & T	Open	30	Full	G.E. Liverpool	Tin-Iron-Steel	G.E.
Town of Salina	Open	20	Full	Lyncourt	FRAMING-add equipment	A-113
Roth Steel	Open	20	Full	Liverpool	Paper	

**TOWN OF SALINA
ONONDAGA COUNTY, NY**

Date - 9/17

TOWN OF SALINA
ONONDAGA COUNTY, NY

Date - 9/20/72

NAME OF COLLECTOR	COMP.	SIZE OF TRUCK CU. YDS.	% FULL	ORIGIN	TYPE OF WASTE	REMARKS
	OPEN					
Leaseway	Comp.	42	Full	Lyncourt G.F.	Cardboard Paper	Plastic - G.M.
Town of Salina	Open	8	1/2	Mattydale	Trees-Wood	Highway Dept.
Town of Salina	Open	8	Full	Mattydale	Wood	Highway Dept.
Kelley	Comp.	30	Full	Pitcher Hill	Garbage	
Kelley	Comp.	25	Full	Pitcher Hill	Garbage	
Kelley	Comp.	35	Full	Pitcher Hill	Garbage	
Weaver	Comp.	20	Full	Mattydale	Garbage	
Heisler	Open	25	3/4	Mattydale	Cardboard Paper	P & C Bakery
Creno, C.	Open	18	3/4	Lyncourt	Cardboard Paper	
Town of Salina	Open	8	Full	Mattydale	Mix	Highway Dept.
A & T	Open	15	Full	C.H.	Wood	C.H.
A & T	Comp.	42	Full	Liverpool G.F.	Cardboard Paper-Wood	G.F.
Tripoli	Comp.	20	Full	Lyncourt	Cardboard Paper	Commercial
Personal	Open	2	1/2	Lyncourt	Brush	Shop-City
G & T Supply	Open	2	1/2	Liverpool	Cardboard Paper	
Weaver	Comp.	25	Full	Mattydale	Garbage	
A & T	Open	15	Full	C.H.	Foundry	C.H.
Town of Salina	Open	8	Full	Mattydale	Trees-Wood Iron	Highway Dept.
Roth Steel	Open	20	1/2	Liverpool	Paper-Wood	
Roth Steel	Open	20	Full	Mattydale	Rugs Strike-Spar Carpets	Strike & Spar
Roth Steel	Open	15	Full	Mattydale	Garbage	Dumpster Box
Mustang Pools	Open	10	3/4	Liverpool	Concrete Stone	
Center-City Roof	Open	8	Full	Marine Mid-Land Bank	Roofing	Mattydale
Tousley	Comp.	20	Full		Garbage Cardboard	Liverpool Vil
A & T Hauler	Open	15	Full	C.H.	Foundry	C.H.
Roth Steel	Open	20	3/4	Lyncourt	Paper-Wood	
N.Y. State	Open	4	Full	Mattydale	Paper-Wood	Stone
Town of Salina	Open	8	Full	Mattydale	Trees-Brush	Highway Dept.
Central City	Open	6	Full	Marine Mid-Land Bank	Roofing	
Roth Steel	Open	15	1/2	Lyncourt G.E.	Paper-Cardboard	G.E. Dumpster
Kelley	Comp.	25	Full	Pitcher Hill	Garbage	
Shorgood Poultry	Open	10	1/2	Liverpool	Garbage	
Personal	Open	1	1/2	Mattydale	Wood	
Town of Salina	Open	8	Full	Mattydale	Trees-Limbs	
Central City	Open	6	1/4	Mattydale	Roofing & Paper	A-115

APPENDIX

File No.- 12

Date -9/2:

NAME OF COLLECTOR	COMP.	SIZE OF TRUCK CU. YDS	% FULL	ORIGIN	TYPE OF WASTE	REV.
	OPEN					
Roth Steel	Open	15	Full	Lyncourt	Paper Cardboard	G.E., Dump
Town of Salina	Open	8	Full	Mattydale	Brush	
Mannino's	Comp.	16	Full	Liverpool Mattydale	Garbage	
A & T	Open	15	Full	C.H.	Foundry	C.H.
Leaseway	Comp.	35	Full	Mattydale Liverpool	Garbage	
Salt City Supply	Open	20	Full	Lyncourt	Paper-Wood	
Town of Salina	Open	8	Full	Mattydale	Brush-Iron	
Central City	Open	10	Full	Mattydale	Wood-Iron	
Hueber-Breuer	Open	4	Full	C.H.	Iron-Wood	
A & T	Open	15	Full	C.H.	Foundry	
Rubbish Removal	Open	35	Full	Mattydale	Cardboard Paper	
Personal	Open	1	Full	Lyncourt	Tarpaper	
Nestor Bros.	Open	1	Full	Liverpool	Cardboard Wood	
Stack Equipment	Open	1	Full	Liverpool	Poss Cardboard	
Kelley	Comp.	35	Full	Lyncourt	Garbage	
Ace	Comp.	60	Full	Liverpool Pitcher Hill	Garbage	School
Kelleys	Comp.	35	Full	Lyncourt	Garbage	
A & T	Open	18	Full	C.H.	Foundry	
Roth Steel	Open	25	Full	Liverpool,G.E.	Wood	
J. Raite	Comp.	20	Full	Lyncourt	Garbage	
Kruger	Open	4	3/4	Mattydale	Paper Cardbaord	Garbage
Heisler	Open	18	Full	Mattydale	Cardboard Paper	
Weaver	Comp.	25	Full	Mattydale		
A & T	Open	18	Full	C.H.	Foundry	C.H.
Kelley	Compo.	35	Full	Lvncourt	Garbage	
Creno, F.	Open	18	3/4	Lyncourt Mattydale	Paper Garbage	
Personal	Open	1	1	Mattydale	Wood	
Town of Salina	Open	8	Full	Mattydale	Brush-Wood	
Tripoli	Open	40	3/4	Lyncourt	Cardboard	
Leaseway	Comp.	42	Full	Lyncourt GMC	Plastic Paper	G.M.C.
Personal	Open	1	Full	Liverpool	Furniture	
Ke	Comp.	35	Full	Lyncourt	Garbage	
Tripoli	Comp.	20	Full	Lyncourt	Garbage	
Roth Steel	Open	25	Full	Liverpool		A-116
Kelley	Comp.	35	Full	Lyncourt		

TOWN OF SALINA
ONONDAGA COUNTY, NY

Date - 9/22/7

NAME OF COLLECTOR	COMP.	SIZE OF TRUCK CU. YDS	% FULL	ORIGIN	TYPE OF WASTE	REMARKS
	OPEN					
Leaseway	Comp.	42	Full	Lyncourt	Plastic, Wood Paper, Cardboard	G.M.
Roofing Company	Open	6	Full	Liverpool	Roofing	Wood
Town of Salina	Open	8	Full	Mattydale	Brush-Wood-Tin	
A & T	Open	15	Full	C.H.	Foundry	C.H.
Town of Salina	Open	8	Full	Mattydale	Brush-Wood	Tin
Roth Steel	Open	15	Full	Lyncourt	Cardboard Paper	Dumpster
Roth Steel	Open	15		Liverpool	Paper Cardboard	Dumpster
Weaver	Comp.	20	Full	Mattydale	Garbage	
Roth Steel	Open	20	Full G.E.	Liverpool	Cardboard Paper	G.E.
A & T	Comp.	42	Full	Liverpool	Paper Cardboard	G.E. (Liverpoc
Personal	Open	2	Full	Mattydale	Cardboard Paper	
Roth Steel	Open	15	Full	Lyncourt G.E.	Paper-Wood	G.E.
Town of Salina	Open	8	Full	Mattydale	Brush-Paper	
A & T	Open	15	Full	C.H.	Foundry	C.H.
A & T	Open	15	Full	C.H.	Foundry Wood	C.H.
Town of Salina	Open	8	Full	Mattydale	Brush-Wood	
Const. Company	Open	12	Full	Liverpool	Wood-Paper	Cardbaord
Tripoli	Comp.	18	Full	Liverpool Mattydale	Garbage Paper	
Roth Steel	Open	20	Full	Lyncourt G.E.	Paper-Wood	G.E.
Roth Steel	Open	15	Full	Liverpool	Paper	Dumpster, G.E.
A & T	Open	15	Full	C.H.	Foundry	C.H.
Raite	Comp	20	Full	Liverpool	Paper Cardboard	
Rogalia	Open	18	Full	G.E. Liverpool	Paper Cardboard	G.E.
Mathieson	Open	20	Full	Liverpool	Cardbord	
G.E. TRK	Open	4	1/2	Liverpool	Wood-Iron	G.E.
Town of Salina	Open	8		Mattydale	Brush	
A & T	Comp.	40		Liverpool	Paper, Wood, Cardboard	
Heisler	Open	25	Full	Mattydale	Paper, Wood, Cardboard	
Roth Steel	Open	15	Full	Lyncourt	Cardboard Paper, Wood	
Ace	Comp.	60	Full	Liverpool	Garbage Paper, Wood	
Roth Steel	Open	15	Full	G.E. Liverpool	Paper-Wood	
Creno, C.	Open	18	Full	Lyncourt	Paper Wood, Cardboard	
Car	Open	1	Full	PitcherHill	Paper Cardboard	
Personal	Open	2	Full	Mattydale	Wood, Paper, Cardboard	
Manning	Comp.	18	Full	Lyncourt Mattydale	Garbage Wood-Paper	A-117
Roth Steel recycled paper	Open	25	Full G.E.		Plastic, Wood Paper, Cardboard	

LANDFILL INVESTIGATION
TOWN OF SALINA
ONONDAGA COUNTY, NY

NAME OF COLLECTOR	COMP.	SIZE OF TRUCK CU. YDS	% FULL	ORIGIN	TYPE OF WASTE	REM
	OPEN					
A & T	Open	20	Full	C.H.	Cardboard Paper, Wood	
Syr. Insulation	Open	20	Full	Liverpool	Cardboard Paper	
Kelley	Comp.	25	Full	Liverpool	Garbage	
Town of Salina	Open	8	Full	Mattydale	Brush	
Mathieson	Open	2	Full	Lyncourt, G.M.C.	Fly Ash	
Central City	Open	20		Marine Nic Land Bank	Cardboard Wood	
Royal-Crown	Open	15	Full	Mattydale	Paper, Glass, Wood	
Personal	Open	1	Full	Mattydale	Paper-Wood	
Weaver	Open	3	Full	Mattydale	Wood Cardboard	
A & T	Open	15	Full	C.H.	Foundry	
Roth Steel	Open	15	Full	Pitcher Hill	Paper Cardboard	
Roth Steel	Open	15	Full	Mattydale	Wood-paper	
Creno, F.	Open	20	Full	Mattydale	Paper-Wood	
Kelley	Comp.	25	Full	Liverpool	Garbage	
Personal	Comp.	2	Full	Lyncourt	Paper & Tar paper	
Rock Bros.	Open	2	Full	Mattydale	Wood-Paper Iron	
Weaver	Comp.	25	Full	Mattydale	Garbage	
G. Dairy	Open	2	Full	Mattydale	Tar Paper Roofing	
A & T	Open	15	Full	C.H.	Foundry	
Creno, F.	Open	7	Full	Lyncourt	Paper-Wood	
Tripoli	Comp.	20	Full	Lyncourt	Garbage	
Kelley	Comp.	25	Full	Lyncourt	Garbage	
Town of Salina	Open	8	Full	Mattydale	Brush	
Personal	Open	6	Full	Liverpool	brush-wood	
Car	Open	2	Full	Lyncourt	Brush	
Personal	Open	4	Full	Mattydale	Brush	
Mathieson	Open	2	Full	G.M.C.	Fly Ash	
Seneca Knolls	Comp.	15	Full	N. Lights	Garbage	
Personal	Open	1/2	Full	Liverpool	Wood	
Heisler	Open	10	Full	Mattydale	Garbage	
Trucking Company	Open	2	Full	Liverpool	Cardboard Paper	
A & T	Open	15	Full	C.H.	Foundry	
Salt City	Open	15	Full	Lyncourt	Wood-paper	
Man. Blvd.	Open	8	Full	Liverpool	Wood	
Town of Salina	Open	8	Full	Mattydale	Card-Plastic	

(Part 6a) Pg 11 of 25
LANDFILL INVESTIGATION
TOWN OF SALINA
ONONDAGA COUNTY, NY

File No.- 120.

Date - 9/2

NAME OF COLLECTOR	COMP.	SIZE OF TRUCK CU. YDS	% FULL	ORIGIN	TYPE OF WASTE	REMARKS
	OPEN					
Personal	Open	2	F	Mattydale	Cardboard paper	Garbage
Leasaway	Comp.	42	F	Lyncourt G.M.C.	plastic paper	G.M.C.
Weaver	Comp.	24	F	Mattydale	Garbage	
Creno, F.	Open	20	F	Mattydale	Paper cardboard	
Ace	Open	15	F	Pitcher Hill	iron, tin paper	
Weaver	Comp.	28	F	Mattydale	Garbage	
Ace	Open	15	F	Liverpool	PAPER cardboard	
Rubbish Removal	Comp.	25	F	Liverpool Mattydale	garbage paper	
Roth Steel	Open	15	F	Mattydale Strike & Spare	cardboard paper	
Creno, C.	Open	18	F	Liverpool	Groc. store paper boxes	
Creno, F.	Open	18	1/2	Liverpool	PAPER cardboard	
Personal	Open	1	1/2	Mattydale	Garbage	
Roth Steel	Open	20	F	Lyncourt G.E.	PAPER cardboard	G.E.
Weaver	Comp.	24	F	Mattydale	Garbage	
Ace	Open	15	F	Liverpool	PAPER cardboard	
A. Pompo	Open	2	F	Mattydale	wood paper	
Car	Open	1	F	Mattydale	iron tin	
Car - Tr.	Open	1	F	Lyncourt	PAPER cardboard	
Pickup Truck	Open	2	F	Mattydale	wood	
Pickup Truck	Open	1	F	Liverpool	wood paper	
Kelley	Comp.	35	F	Lyncourt Liverpool	garbage	
Kelley	Comp.	27	F	Lyncourt	garbage	
Pickup Truck	Open	1	F	Mattydale	wood garbage	
Kelley	Comp.	25		Liverpool Northern Lots.	garbage	
Kelley	Comp.	35		Liverpool Lyncourt	garbage	
Ace	Comp.	60	F	Liverpool Pitcher	garbage	
Pickup Truck	Open	2	F	Liverpool	furniture	
Tripoli	Comp.	20	F	Lyncourt Mattydale	garbage	
Weaver	Comp.	25	F	Mattydale	garbage	
Pickup Truck	Open	1	F	Lyncourt	limbs & logs	
Pickup Truck	Open	1	F	Mattydale	garbage	
Raite	Comp.	18	F	Liverpool	garbage	
Mannino, C.	Comp.	18	F	Liverpool Lyncourt	garbage	
Heisler	Open	25	F	Lyncourt Pitcher Hill	cardboard paper	
Pickup	Open	1	F	Mattydale	recycled paper	119

REFERENCE 16

A-120

02:3408-06/26/11-D1

US0297

New York State Department of Health -- Public Affairs Bureau

recycled paper

三

100 tons from GM plant placed in 4 county landfills

By Jeff Light

very low and pose no immediate public health threat. But, none of the principal documents — the Tripoli Clay, Salina and Brighton Avenue landfills — were designed to contain hazardous chemicals like PCBs. And of course, it conceded the long-term consequences of the dumping are

More than 100 tons of hazardous PCB-contaminated waste from General Motors' Fisher Guido plant were dumped — some of it illegally — in four

throughout
Onondaga
County during
the last dec-
ade, a Herald-Journal investiga-

won has found. And funds ordered by the state Department of Environmental Conservation show high levels of PCBs in soil at the town's Salina auto body plant. — In one area 180 feet from the level defined as hazardous by federal law.

The discovery of "hot spots" at the plant has led to concern that soil contamination may creep off the property and into Ley Creek less than 200 feet away. Officials say the earth beneath the plant itself is contaminated.

State and federal officials believe the levels of PCBs contained at the landfill are relatively

A-121

Waste Climbing

This image is a high-contrast, black-and-white graphic. It features a complex, abstract pattern composed primarily of vertical and horizontal lines. The lines vary in thickness and density, creating a textured, almost noise-like appearance. There are several distinct, darker rectangular areas that stand out from the background. One such area is located in the upper right quadrant, containing what appears to be a stylized, circular logo or emblem. Another prominent dark shape is situated in the lower center. The overall effect is reminiscent of a heavily processed photograph, a technical drawing, or a piece of abstract art.

The Tyrell landfill, which is now closed, was one of the sites at which PCB-contaminated wastes came from the General Motors Fisher Guide plant over [redacted] days.

PCH, Page A8 .7

US0298

Albany Kn.
Albany Ti.
Newsday
New York
Schenecta

PCBs: A special report

"The question is, Is it getting into the groundwater? Are animals eating it? What needs to be done? What can be done? The answer is, we don't know. Inevitably, it will be looked at."

— Photo: solid waste engineer Charles Chernoff

© PCB Contamination

Plant manager Roland Link denied that GM had admitted any illegal dumping, though in a 1994 response to the EPA charge, the company lawyer clearly did admit the violation.

Link stressed that GM has already spent more than \$2 million in audits and environmental cleanup at the plant and that the company's cleanup costs "will be more than \$3½ million before we're done."

The presence of PCBs at the dump means they should now be considered a class 1 or 2 toxic hazardous waste sites by the state and considered for eligibility for Superfund cleanup money by the Environmental Protection Agency, state and federal officials said.

Among the Herald Journal's findings:

© THE FOUR DUMPS held hundreds of tons of trash contaminated with polychlorinated biphenols or PCBs. From 1979 to 1981, nearly 100 tons of the trash were illegally dumped at the Triple Landfill alone, according to EPA estimates and DEC regional attorney Richard Bricker.

Before 1979, the wastes were dumped in bulk in Salmon, Clay and off Brighton Avenue in Syracuse, according to men who hauled the wastes.

Since 1979, material with concentrations of 50 parts per million or more of PCBs have been considered hazardous waste under the federal Toxic Substance Control Act. They must be disposed of in special toxic waste landfills.

The wastes dumped by GM were tainted with PCBs averaging 100 to 140 parts per million, records show.

"It was not 87,000 kilograms of PCB wastes," Link explained. "It was 87,000 kilograms of solid waste consisting of cardboard, cafeteria waste, trash, floor sweeping, everything you normally have in your industrial operation" with some PCBs involved.

Federal statutes define all that tainted garbage as PCBs.

© THE CONTAMINATED wastes dumped in the landfills were the result of factory floor because of broken pipes, leaky joints and other spills around the injection molding machines at the plant, according to EPA documents.

The PCBs at the plant are contained in a hydraulic system that runs 110 injection molding machines used in the manufacture of plastic car parts.

Each molding machine sits above a system of underground tanks that collect and recycle the hydraulic fluid, which leaks from the machines at a rate of up to 16,000 gallons a week, according to EPA documents and GM reports.

Beneath the foundation of the plant may be highly contaminated, and are planning to require all water draining from beneath the building to be filtered.

They say contamination on the plant site is the result of flaws in the plant's wastewater treatment and oil recycling system, and perhaps the dumping of soil excavated from beneath the plant floor.

© TWO HOLDING ponds on the plant property are contaminated with PCBs at hazardous levels.

The ponds have been ordered cleaned up and GM has agreed to have a new treatment system on line by Jan. 1, 1997.

© HIGH LEVELS of PCB contamination were discovered last month along the back fence of the GM plant by Factory Avenue, within 200 feet of Ley Creek.

Soil samples taken from the bed of Ley Creek found no significant PCBs, state officials said. The creek was dredged in 1987.

But one test bore near the surface turned up containing 4,000 parts per million PCBs — 100 times the legal limit.

"Everyone was surprised," said DEC Region 8 Engineer Steve Lachey, who had assumed the responsibility for testing from someone in the recycling system that the contamination was probably there. "We're not sure what it means. The first thing we're going to do is require more testing to make sure it isn't moving into Ley Creek."

"Something has to be done. You can't just leave it the way it is," he said.

"We're talking decades and decades of lead," that might find its way into the creek. And if it goes into the creek, it'll go into Onondaga Lake. And if it goes into the lake, eventually it would end up in Lake Ontario.

Lachey said once the extent of the soil contamination at the plant site has been determined, the dirt will be ordered removed and sent to a special toxic waste landfill, contained with walls pushed into the soil or treated with a chemical process.

DEC Regional Water Engineer Lee Flocie said the most likely theory to explain the hot spot near the creek is that soil excavated from beneath the plant floor in the past has been dumped along the back of the property.

The leaky sump system beneath the plant floor, he said, may well have contaminated all the soil beneath the plant.

"Someday if God forbid, the plant closes, all this will be remembered," Flocie said. "That ground will have to be cleaned."

"For now, it's trapped between the foundation of the building and a lens of impervious clay," he said. "You might say what we really should do is make them dig it all up. But it's just not practical to make them trash the whole building."

Albany Knickerbocker News
Albany Times Union
Newday
New York Times
Schenectady Gazette

New York Daily News
Staten Island Advance
Buffalo Evening News
Binghamton Evening Press
New York Post
Syracuse Herald-Journal

Binghamton Sun Bulletin
Times Herald Record
Democrat & Chronicle-Rochester
Reporter Dispatch -White Plains
Syracuse Post Standard
Wall Street Journal

"What I have asked them to do is to collect all the drainage — — — — —
— — — — — and run it through filters to clean it
— — — — — that's all the water from around all the
pipe holes in the whole foundation."

© THE EPA last summer fined the Fisher Guide \$75,000 for six violations of the Toxic Substances Control Act.

EPA officials classified the admission by GM officials last summer that PCB wastes were routinely thrown in the garbage as a "major" offense, but said they considered it a minor environmental problem. The concentration of the chemical in the wastes — between 100 and 140 parts per million, was not enough to cause alarm, they said.

GM paid the \$75,000 fine last July after being charged with:

• Sending PCB-contaminated waste-water into Ley Creek without a permit.

• Dumping PCB wastes at municipal landfills after 1979, when the practice was prohibited.

• Failing to drain the hydraulic systems and dispose of the PCBs as required by law since 1973 and reintroducing PCB fluid into the machines.

• Storing more than 4,000 gallons of PCB liquids in an open-top tank and more than 1,000 gallons in barrels without lid or proper markings.

• Storing the PCBs and PCB solids for more than 30 days without a permit.

• Failing to keep required records about where and when PCBs were disposed of.

The agreement to pay the fine signed last July by GM with EPA does not amount to an admission of guilt. A clause in the document reads that GM "Neither admits nor denies the factual allegations contained in the complaint and the findings of fact."

However, in an April 26, 1981 response to the original complaint filed against the company, GM attorney William D. Brusstar Jr. wrote that the company "admits to the disposal in a municipal landfill between July 1973 and June 1983 of more than 87,000 kilograms (nearly 100 tons) of [PCB] solids such as floor circamm, Durap filter and filter cartridges."

But Brusstar claimed, "These solids had only incidental PCB contamination. Every hydraulic machine is surrounded by an oil collection trench. In the event of an leakage, most of the oil was carried away by means of the trench. Only occasionally did oil splatter onto the floor. Employees say these oil spots were just ounces."

© GM BEGAN attempts to rid itself of the PCB problem as early as March 1979. The fluid in the molders was sampled and found to contain 100 to 140 parts per million PCBs.

The hydraulic system holds 120,000 gallons of fluid. The PCBs in the system date from 1971 or before, when die casting machines used to manufacture hub caps were converted into injection molders, according

A-123

- 3 -

New York State Department of Health -- Public Affairs Group
DATE:

Albany Knickerbocker News
Albany Times Union
Schenectady Gazette
Newday
New York Times

New York Daily News
Staten Island Advance
Buffalo Evening News
New York Post
Syracuse Post Standard
Syracuse Herald-Journal

To documents GM submitted to the EPA.
The oil dump and recycling system were
installed in 1974.

In December of 1975, the company claimed
to get rid of the fluid from the plant and
replaced it with another PCB fluid in an at-
tempt to bring the levels to less than 50 parts
per million and into compliance with fed-
eral standards.

By the fall of 1980, however, PCBs
trapped in fixtures and hoses and the inside
of the recycling chamber had brought
the PCB level back up to 30 to 100 parts per
million.

A similar procedure was repeated in Au-
gust 1982 on the same day, reported
by EPA's Office of Guidance.

Officials emphasized that many of the
problems at the plant had been repaired and
otherwise since 1982, the plant has spent more
than \$2 million trying to correct its hazard.

Lacley and Flocie both said PCB pollu-
tion from the plant has virtually stopped
since 1983. But signs of past pollution, from
the days before anyone worried about toxic
waste, keep surfacing.

It is possible that portions of the fill al-

Binghamton Sun Bulletin
Times Herald Record
Rochester Democrat & Chronicle
White Plains Reporter Dispatch
Binghamton Evening Press
Wall Street Journal

who wished to remain anonymous claimed
he had seen spills up to hundreds of gal-
lons.

The Environmental Protection Agency Chief
of Office of Superfund, Daniel Kraft, led the
EPA team that inspected the plant Sept. 9.

During the inspection, Kraft noted some
shifting of piping, possibly because of
expansion or contraction, in the process of
recycling. He found leaking and damage to
the insulation of the equipment and
tubs used for trash collection.

But he found no evidence of illegal
dumping or disposal of PCBs, he reported.

It was illegal to dump PCBs in the Tripoli
landfill, he said, but the impact is not worse
than existing currency stored under the
regulations.

Based on GM's estimates, Kraft guessed
the amount of pure PCBs in the Tripoli
dump would be less than 40 pounds.

The GM source claimed he had seen far
bigger spills washed up with sawdust-like
material and shoveled into orange dump-
plastic used for trash collection inside the
plant.

He said the dumps did overflow "on occa-
sion. I'd say maybe five or six times" in 10

years. "The agency has to draw the line some-
place," he said. "If that weren't the case, all
these landfills all over the country where
PCBs were legally dumped before 1978
would have to be dug up, and sent to PCB
landfill or incinerated. You just can't do
that."

Results of groundwater samples taken in

January at the Tripoli dump, the only one of

four currently listed on the state's regis-

try of inactive hazardous waste sites, are

due back by April 30, he said. A similar

study of the Clay landfill is planned for

1987.

He and others are regularly cleaned up
in due fashion from the time the injection
method of erosion control installed until the EPA

inspected. Lee Schubitz, 52, who worked for A.T. Haub
from 1972 to December, and George
Schubitz, 38, who worked for the company
from 1972 to 1975, hauled all the trash from
the plant except for point of origin.

The men and the B.B. 20-ton dumper
compactored trash from the picked up at the
plant at offtimes three times a day.
They usually started with oily liquid.

The men used their regular hauler truck to the town of Salina Landfill until it
closed in 1977, and later to the Clay
Avenue, and Tripoli landfill.

"You'd wear a pair of gloves and hard
hat be beat with it," George Smith said.
"Sometimes it was real bad and sometimes
it wasn't. Sometimes it would just go run-
ning out all over. Sometimes there was
quite a bit there." Kraft said it was extremely unlikely that
GM would be ordered to clean up the area.

"The agency has to draw the line some-
place," he said. "If that weren't the case, all
these landfills all over the country where
PCBs were legally dumped before 1978
would have to be dug up, and sent to PCB
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1987.

REFERENCE 17

A-125

2) NYSDOH Interoffice MEMO

Summary

To: Dr. Mohanka

Fr: Mr. Huerters - Syr. Reg. Off

Date: Mar. 18, 1986

Subj: G.M. - Fisher Guide

G.M. Fisher Guide Ovis dumped refuse contaminated by PCB's in Brighton ave. X.F. The refuse was floor sweep compound used to clean up coolant and hydraulic oil leaks, + was disposed of b/w 1979 and 1982. The floor sweepings were mixed w/ ordinary refuse and hauled by A + T haulers. This material was not disc inventoried or tracked as haz. waste. G.M.'s worst case est. is 112,500 kg oils at 120 ppm. This was based on the use of 125,000 kg of the absorbent and a 90% ab sorbency rate.

2) (cont.) The co. used Pydro 200 and 312 as coolants + hydraulics + had switched to another non PCB product around 1969. The oil/waste in quest contained PCB's as a result of resid. contam w/in the coolant/hydraulic system.

There is no info. on dispos. practices prior to 1979, however G.M. was to review their records to determine who handled the refuse prior to 1979.

The RTK shows a variety of solvents, paint slud, thinner, oil and grease, WWTP sludge and fly ash and so ashes were also generated by GM's Fisher Guide.



a1 ATLANTIC TESTING LABORATORIES, Limited

SUBSURFACE INVESTIGATION

Report No. CD666-1-5-87

CLIENT NYS Dept. of Environmental Conservation Location of Boring
Albany, NY

Per Client

PROJECT Monitoring Well Installation
Salina Landfill, Syracuse, NY

Date, start 5/20/87 Finish 5/20/87

Boring No. SW-1 Sheet 1 of 2

Ground Water Observations

Casing Hammer	Sampler Hammer
Wt _____ lbs.	Wt 140 lbs.
Fall _____ in.	Fall 30 in.

Date 5/20/87	Time -	Depth 4.0'	Casing at 15.0'
--------------	--------	------------	-----------------

Ground Elev. _____

H.S. Auger 4-1/4" I.D.

DEPTH	CASING BLOWS/FT.	SAMPLE NO.	DEPTH OF SAMPLE		TYPE SAMPLE	BLOWS ON SAMPLER PER 1"	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL	STANDARD PENETRATION MM/SEC
			FROM	TO					
		1a	0.0	0.5	ss	5	0.5'	6" TOPSOIL	
		1b	0.5	2.0	ss	8		Grey f SAND and SILT	
						8			
		2	2.0	4.0	ss	5		Grey f SAND and SILT; ORGANIC MATERIAL	
						6			
						11			
		3	4.0	6.0	ss	14			
						10		Similar Soils (wet)	
						5			
						3	6.5'		
		4	6.0	8.0	ss	1		mf SAND; ORGANIC MATERIAL with CLAY layer at 6.5' - 7.5' (saturated)	
						2			
						3			
						4			
	AUGER	5	8.0	10.0	ss	7		CLAY, SILT, ORGANIC MATERIAL (saturated)	
						8			
						7			
		6	10.0	12.0	ss	3		Similar Soils- (saturated)	
						1			
						5			
		7	12.0	14.0	ss	2		CLAY; trace SILT (saturated)	
						1			
						2			
		8	14.0	16.0	ss	2		Similar Soils (saturated)	
						1			
						2			
						3			

SS = SPLIT SPOON SAMPLE

U = UNDIS SHELBY TUBE

P = PISTON TYPE SAMPLE

DRILLERS

Gary Cambridge, John Saarinen

ecology and environment

MONITORING WELL INSTALLATION DETAIL**PROJECT:** Salina Landfill**PROJECT NO.** CD666-87Syracuse, New York**CLIENT:** NYS Dept. of Env. Conservation**WELL NO.** SW-1Albany, New York

4" diameter steel
protective pipe
with locking cap

0' - 5.0' Protective Pipe

Concrete Seal

DEPTH

2.0' Top of Seal

bentonite seal

4.0' Bottom of Seal

2" PVC riser pipe

washed graded sand

5.0' Top of Screen

slotted PVC well
screen

15.0' Bottom of Screen

16.0' Bottom of Boring

REFERENCE 19

A-129

New York State Department of Environmental Conservation



CHRONOLOGY OF INVESTIGATION AND TESTING

By Onondaga County Health Department
and
NYS Department of Environmental Conservation

November, 1985

Contract signed between DEC and Dunn Geoscience, Inc. to undertake hydrogeologic investigation of the Clay landfill for \$70,000 under special funds for monitoring a limited number of landfills statewide. Clay landfill was selected because it was a large municipal landfill closed prior to recent strict closure requirements and nearby residential wells.

February 1986

Nine monitoring wells installed for Dunn Geoscience work.

Friday, March 7, 1986

Newspaper story regarding possible PCB's-laden trash being dumped in area landfills.

Monday, March 10, 1986

DEC and County Health officials met to discuss situation and plan coordinated testing, if necessary. County Health took samples for testing of three residential wells in area and one surface sample. (Sampling #1).

Wednesday, March 12, 1986

County Health received test results showing no detectable levels of PCB's in three residential wells, however, drainage ditch sample showed PCB's at 8.6 parts per billion. (Results of Sampling #1).

Thursday, March 13, 1986

DEC and County Health officials met and agreed to more extensive sampling program.

-2-

Saturday, March 15, 1986

Meeting with residents at Clay Town Hall.

Monday, March 17, 1986

DEC and County Health began sampling at Clay landfill. Samples were taken of surface waters and sediments around the landfill. Samples were also taken from three existing collection sums on the perimeter of the landfill. to be tested for pcb's only. (Sampling #2)*

Also, March 17, 1986

DEC met with General Motors representatives who supplied copies of their Industrial Chemical Survey and Community Right-to-Know forms. GM confirmed that pcb-contaminated trash from floor sweepings and cleanup debris was disposed of with their general trash. This information was not included in the ICS or Community Right-to-Know forms. DEC requested that GM submit a list of haulers used for their general trash.

Tuesday, March 18, 1986

DEC's contract firm of Dunn Geoscience began the sampling work of the nine seeps, soil, and nearby surface water. Samples will be tested for the 129 priority pollutants including pcb's. (Sampling #3).

Wednesday, March 19, 1986

Sampling of Dunn Geoscience continued and was concluded.

DEC met with A&T Haulers representative who confirmed that they had hauled general trash for General Motors since 1972 and that trash was hauled to the Brighton, Salina, Tripoli, and Clay landfills.

Thursday, March 20, 1986

DEC and the county Health Department took samples at the Clay, Salina, and Brighton landfills. DEC took samples from five of the monitoring wells at Clay, six samples from Brighton and five from Salina. (Sampling #4a). County Health took two samples from Salina and one from Brighton. (Sampling #4b). DEC's samples went to DEC laboratory for analysis. County Health samples went to contract lab. All samples to be tested for pcb's only.

Monday, March 24, 1986

Some results of sampling #2 were received. Four surface water samples showed no detectable levels of pcb's.

County Health had completed testing of 44 residential wells with none showing detectable levels of pcb's.

*Note: Additional samples taken of sums alone to be tested by DEC contract lab for 129 priority pollutants. Results not yet received.

REFERENCE 20

A-132

02:3409-06/26/01-01

US0309



Calocerinos & Spina
CONSULTING ENGINEERS

1020 Seventh North Street, Liverpool, NY 13088 • (315) 457-6711

November 15, 1985

Mr. Darrell W. Weston
Supervisor
Town of Salina
P. O. Box 458
201 School Road
Liverpool, New York 13088

Re: Former Town of Salina
Landfill Site

File: 120.101

Dear Mr. Weston:

In response to a request from Mr. Vincent D'Angelo, Loss Control Representative, General Accident Insurance Company of America, dated October 21, 1985, this letter will serve as a summary of the final steps in the closing of the former Town Landfill site off Route 11.

To the best of our knowledge, the Salina Landfill was officially closed sometime in late 1974, early 1975. In 1976, specifications were prepared by Calocerinos & Spina for Dirt Fill & Grading of the Salina Landfill Site, submitted to the New York State Department of Environmental Conservation and approved on August 16, 1976. Bids were received by the Town, but all bids were rejected. Litigation proceedings commenced and resulted in the Town of Salina purchasing approximately 29 acres of land on which the landfill was located. In 1981, specifications were again prepared for the grading, covering and seeding of the landfill site, submitted to DEC and approved on July 28, 1981. Bids were received and a contract awarded to Barbabos Const. Co., Inc. by the Town on September 14, 1981. This contract provided for the grading and covering the entire site with a 2-foot layer of a clay type soil with a permeability factor of 10^{-5} cm/sec as required by DEC and hydroseeding the entire area. The project was completed in November 1982 and has remained in the condition as you see today.

This information would appear to answer Mr. D'Angelo's question, but if additional information is required, please call.

Very truly yours,

CALOCERINOS & SPINA

Leo F. Kane II
Leo F. Kane II
Managing Engineer

LFK:ma1

cc: Town Board
Mr. A. Rivizzigno Young Salina's Attorney

C&S OFFICES: SYRACUSE • ATLANTA • PITTSBURGH • BUFFALO
recycled paper

A-133

US0310